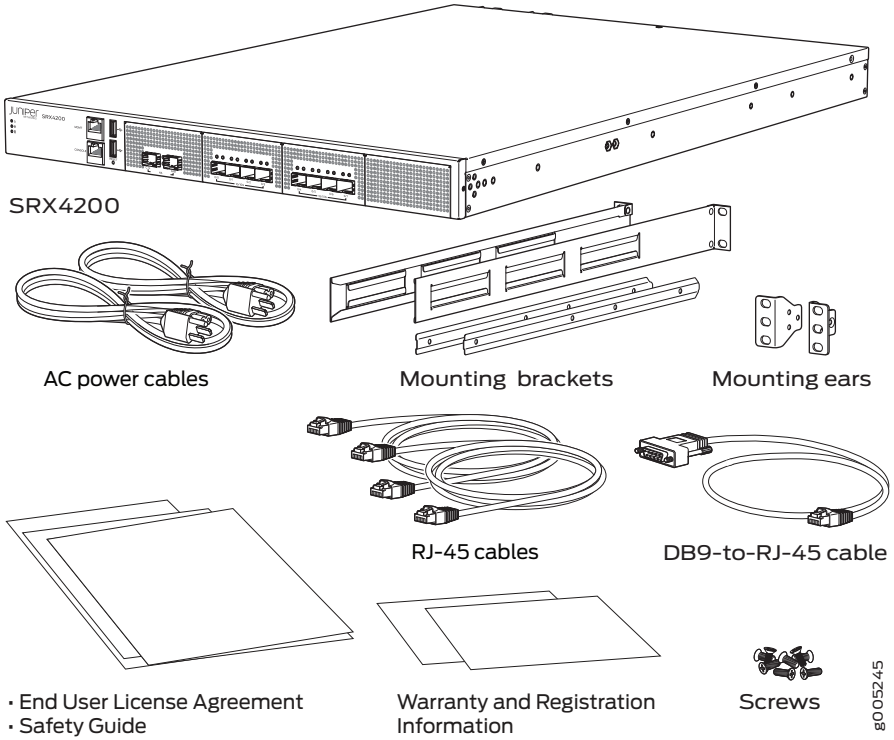
How to Set Up Your SRX4200 Services Gateway

The SRX4200 Services Gateway is a high-performance, scalable mid-range services gateway that consolidates security, next-generation firewall, and advanced threat prevention capabilities to provide secure connectivity. The services gateway is suited for small to medium enterprises and data centers.

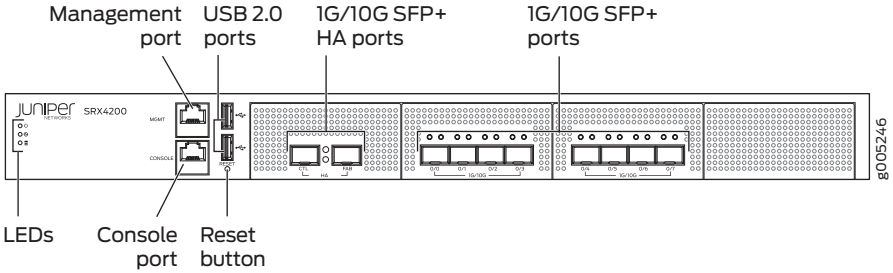
The SRX4200 Services Gateway comes with 64 GB of DDR4 memory and two 240-GB solid-state drives (SSDs) in RAID1 configuration. The SRX4200 Services Gateway is available in both AC and DC models.

Package Contents

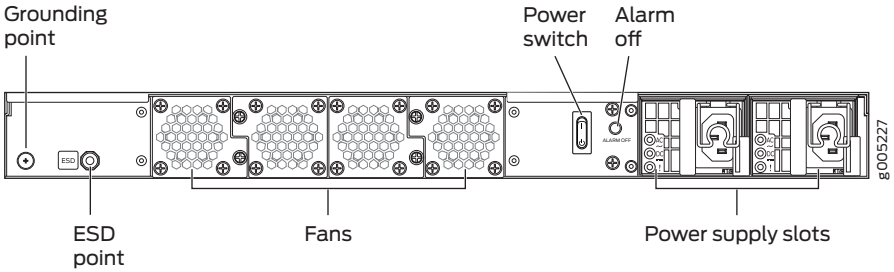


- End User License Agreement
- Safety Guide
- Quick Start Guide

Front Panel



Back Panel



NOTE: The SRX4200 Services Gateway shipment package contains a packing list. Check the parts in the shipment against the items on the packing list. If anything is missing or damaged, contact your Juniper Networks customer service representative.

Specification	Value
Dimensions (H x W x D)	1.75 in. x 17.48 in. x 25 in. (4.45 cm x 44.40 cm x 63.50 cm)
Chassis weight	29 lb (13.15 kg)-with two AC power supplies 28.8 lb (13.06 kg)-with two DC power supplies
Average power consumption	200 W
Maximum thermal output	1500 BTU/hour
Relative humidity	5% to 90%, noncondensing

530-074092

Factory-Default Settings

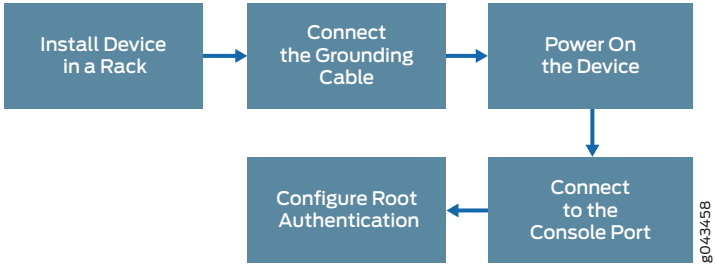
Interfaces

Interface	IP Address
fxp0	192.168.1.1/24

Services

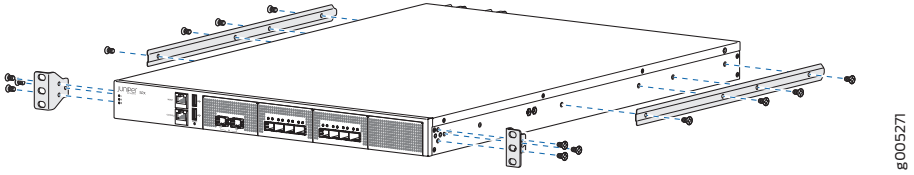
Services
SSH
HTTPS
NETCONF over SSH

Initial Configuration Process



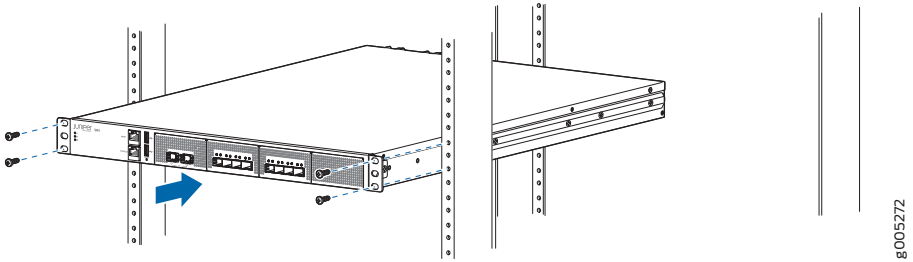
Install the Device in a Rack

1. Attach the mounting ears to the front of the chassis, using the screws provided. Then, attach the fixed brackets to the rear of the device, using the screws provided.

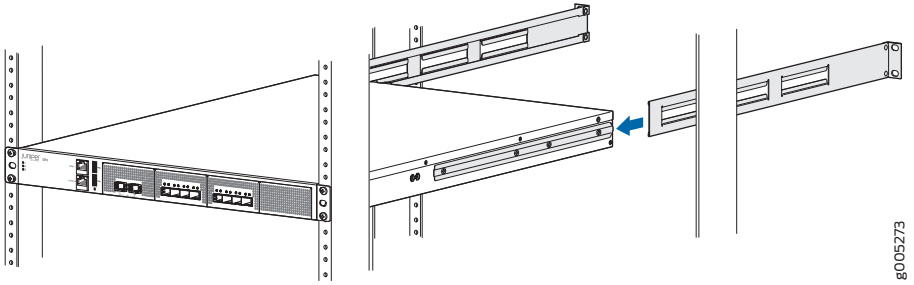


NOTE: Ensure that the rear of the device is supported throughout the process of mounting the device into the rack.

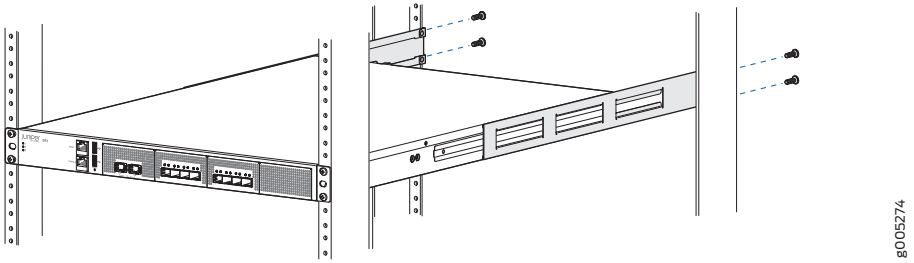
2. Slide the device into the rack, and secure the mounting ears to the rack, using the screws provided.



3. Slide the adjustable brackets into the fixed brackets attached to the rear of the device

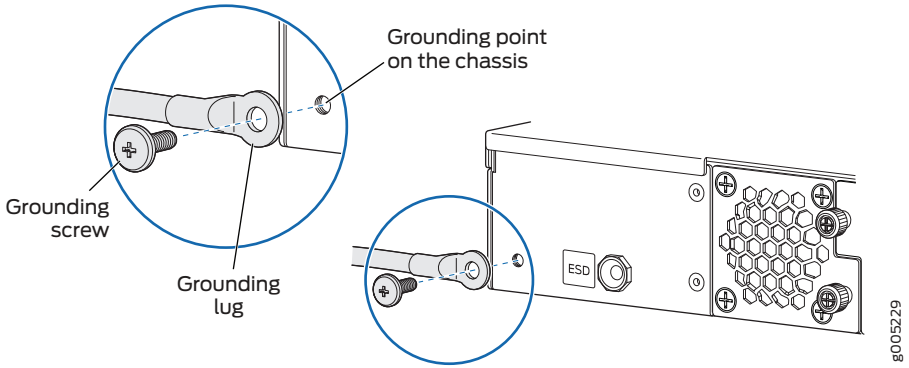


4. Secure the adjustable brackets to the rack, using the screws provided.



Connect the Grounding Cable

1. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist, and connect the strap to the ESD point on the chassis.
2. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the services gateway is mounted.
3. Place the grounding cable lug over the grounding point on the rear of the chassis.

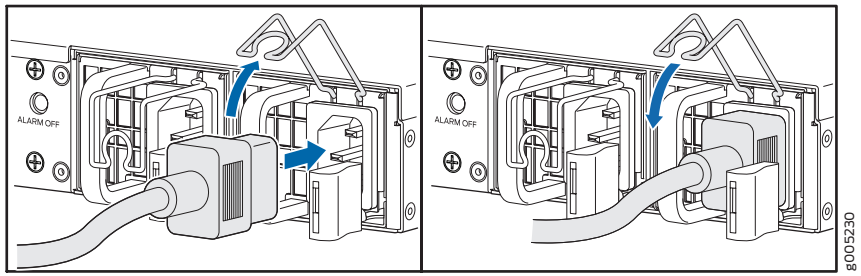


NOTE: The device should be permanently connected to ground during normal operation. A licensed electrician must attach a cable lug to the grounding cable. A cable with an incorrectly attached lug can damage the device.

4. Secure the grounding cable lug to the grounding point with the screw.

Power On the Device

1. If you are using the AC model, perform the following steps:
   a. Insert the coupler end of the power cord into the AC power cord inlet on the AC power supply faceplate. Push the power cord retainer onto the power cord.



   b. Insert the power cord plug into an AC power source outlet.
   c. Turn on the power to the AC power receptacle.
   d. Repeat steps a through c for the second AC power supply.
   e. Verify that the AC and DC LEDs on each power supply are lit green.
2. If you are using the DC model, perform the following steps:

WARNING: Before performing the following procedure, ensure that there is no power in the DC circuit. To ensure that all power is cut off, locate the circuit breaker on the panel board that services the DC circuit, switch the circuit breaker to the OFF (**0**) position, and tape the switch handle of the circuit breaker in the OFF position.

   a. Ensure that the voltage across the DC power source cable leads is 0 V and that the cable leads do not become active while you are connecting DC power.

b. Verify that the DC power cables are correctly labeled before making connections to the power supply. In a typical power distribution scheme where the return is connected to chassis ground at the battery plant, you can use a multimeter to verify the resistance of the -48V and RTN DC cables to chassis ground:

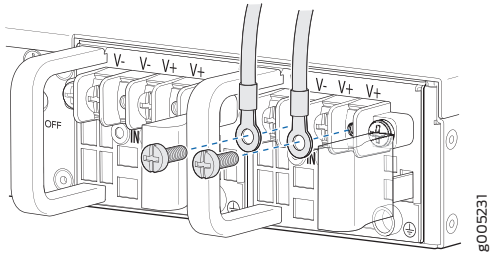
   - The cable with very high resistance (indicating an open circuit) to chassis ground will be connected to the V- (input) DC power input terminal.
   - The cable with very low resistance (indicating a closed circuit) to chassis ground will be connected to the V+ (return) DC power input terminal.

c. Remove the clear plastic cover from the terminal studs on the faceplate.

d. Remove the screws on the terminals by using a Phillips (+) screwdriver, number 2.

e. Secure each positive (+) DC source power cable lug to a RTN (return) terminal. Secure each negative (–) DC source power cable lug to a -48V (input) terminal.

f. Tighten the screws on the power supply terminals until snug using the screwdriver. Do not overtighten.



g. Replace the clear plastic cover over the terminal studs on the faceplate.

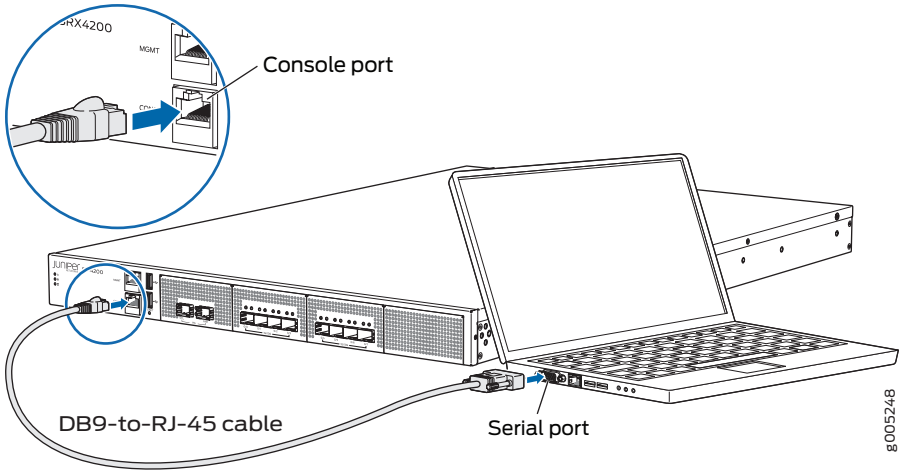
h. Remove the tape from the switch handle of the circuit breaker on the panel board that services the DC circuit, and switch the circuit breaker to the ON (|) position.

i. Verify that the IN and OUT LEDs on the power supply are lit green and are on steadily.

3. Wait until the Status LED on the front panel of the services gateway is solid green before proceeding to the next step.

Connect to the Console Port

1. Attach an electrostatic discharge (ESD) grounding strap to your bare wrist, and connect the strap to the ESD point on the chassis.
2. Plug the RJ-45 end of the DB9-to-RJ-45 cable into the Console port on your services gateway.



3. Connect the other end of the cable to the serial port on the management device. Use the following values to configure the serial port:

   Baud rate—9600; Parity—N; Data bits—8; Stop bits—1; Flow control—None.

Configure Root Authentication

Before you can use J-Web to configure your device, you must access the CLI to configure root authentication.

1. Log in to the device as root. When the device is powered on with the factory-default configuration, you do not need to enter a password.
2. At the (%) prompt, type cli to start the CLI and press Enter. The prompt changes to an angle bracket (>) when you enter the CLI operational mode.

   ```
   root%cli
   root>
   ```

3. At the (>) prompt, type configure and press Enter. The prompt changes from > to # when you enter configuration mode.

   ```
   root> configure
   Entering configuration mode
   [edit]
   root#
   ```

4. Set the root authentication password by entering a cleartext password, an encrypted password, or an SSH public key string (DSA or RSA).

   ```
   root# set system root-authentication plain-text-password

   New password: password
   Retype new password: password
   ```

5. Configure the route for the management interface (optional, required only if you do not connect the MGMT port directly to the management device).

   ```
   root# set routing-options static route <destination prefix> next-hop <gateway>
   ```

6. Commit the configuration changes.

   ```
   root# commit
   ```

7. Connect the MGMT port on the device to the Ethernet port on the management device using an RJ-45 cable.
8. Configure an IP address on the 192.168.1.0/24 subnetwork for the management device. By default, the management interface is configured with the 192.168.1.1/24 IP address. If you need to change the IP address, perform the following steps or else proceed to Step 9.

   a. Delete the default management interface IP address.

   ```
   root# delete interface fxp0 unit 0 family inet address 192.168.1.1/24
   ```

   b. Configure a new IP address for the management interface.

   ```
   root# set interfaces fxp0 unit 0 family inet address address/prefix-length
   ```

   c. Commit the configuration changes.

   ```
   root# commit
   ```

   d. Configure an IP address for the management device. Ensure that the IP address is on the same subnetwork as the management interface (fxp0).

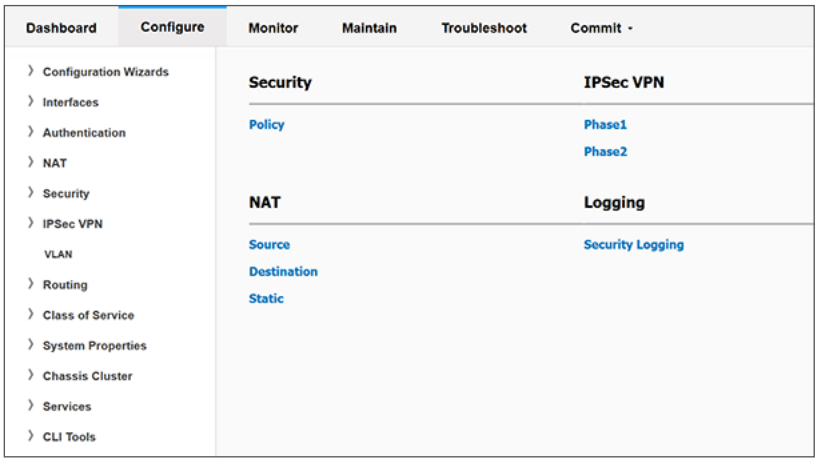
9. Launch a Web browser from the management device and access the services gateway using the URL https://192.168.1.1.

   If you changed the management interface IP address in Step 8, then use the URL https://<management IP address> to access the services gateway.

   NOTE: As the system-generated certificate is not trusted by default, an alert is displayed. You can ignore this alert and proceed to access the services gateway.

   The J-Web login page is displayed. This indicates that you have successfully completed the initial configuration and that your SRX4200 Services Gateway is ready for use.

10. Log in as root and proceed with configuring the settings based on your requirements.



Power Off the Device

To power off the device, press the **Power** switch on the rear of the device. After powering off the device, wait at least 60 seconds before turning it back on.

Reset the Configuration

Pressing and holding the **RESET** button for 5 seconds or more deletes all configurations (backup configurations and rescue configuration) on the device, and loads and commits the factory configuration.

Next Steps

For information on configuring features on your services gateway, refer to the following:

- Junos OS Documentation/Feature Configuration
  http://www.juniper.net/techpubs/en_US/release-independent/junos/information-products/pathway-pages/srx-series/product/index.html
- Getting Started Knowledge Base Article
  https://kb.juniper.net/InfoCenter/index?page=content&id=KB15694

Reference

Technical Support
http://www.juniper.net/support/requesting-support.html

SRX4200 Services Gateway Hardware Guide
http://www.juniper.net/techpubs/en_US/release-independent/junos/information-products/pathway-pages/hardware/srx4200/index.html

Supported Transceivers
https://pathfinder.juniper.net/hct/product/#prd=SRX4200

 Part Number: 530-074092 Rev. 01, December 2016.